

1 We claim:

2 1. A system for data recipient invoked electronic transactions comprising:
3 a network; and

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9 at least one data subject network communication device (NCD) associated with at least one data
10 subject and associated with the at least one data controller, connected to the network,

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the at least one data repository connected to the at least one data recipient computer via the
network, wherein the at least one data repository further comprises data repository
software, and wherein the data repository client software further comprises instructions
for forwarding the authorized data recipient's offer to the at least one data repository via
the NCD software, and wherein the data repository software further comprises
instructions for gathering information to complete a transaction and for determining that
the at least one authorized data recipient is authorized by the at least one data controller
to receive information about the at least one data subject.

21 2. The system in accordance with claim 1, wherein the transaction is a transaction to purchase an
22 item.

23 3. The system in accordance with claim 2, wherein the item purchased is goods or services.

24 4. The system in accordance with claim 1, wherein the data repository further comprises instructions
25 to send the purchasing information to the at least one authorized data recipient computer.

26 5. The system in accordance with claim 1, wherein the network is selected from group consisting of
27 the Internet, intranet, local area networks (LANS), and wide area networks (WANS), wireless,

1 wireless local loops and cable networks.

2 6. The system in accordance with claim 1, wherein the network comprises at least two networks
3 selected from group consisting of the Internet, intranet, local area networks (LANS), wide area
4 networks (WANS), wireless, wireless local loops, and cable networks.

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7 7. The system in accordance with claim 1, wherein the at least one authorized data recipient is the
8 data controller.

9 8. The system according to claim 1 wherein the transaction is a transaction to convey information.

10 9. The system according to claim 8 wherein the information conveyed is information for college
11 admission.

12 10. The system according to claim 8 wherein the information is information for an applications for
13 credit.

14 11. The system in accordance with claim 1, wherein the client software and the NCD software send
15 and receive files in a common computer language.

16 12. The system in accordance with claim 11, wherein the common computer language is selected
17 from a group consisting of HTML, XML, and WML.

18 13. The system in accordance with claim 1, wherein the NCD software further comprises a translator
19 for reading and writing files in the native language of the NCD software, and for reading and
writing files in the native language of the client software.

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22 14. The system in accordance with claim 1, wherein the repository client software further comprises a
23 translator for reading and writing files in the native language of the repository client software, and
24 for reading and writing files in the native language of the NCD software.

25 15. The system in accordance with claim 1, wherein the data repository software further comprises
26 instructions for assigning a unique identifier to the at least one data subject and providing the
27 unique identifier to the at least one authorized data recipient.

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- 2 16. The system according to claim 1 wherein the data repository is controlled by the data controller.
- 3 17. The system according to claim 1 wherein the NCD is a personal computer.
- 4 18. The system according to claim 6 wherein the NCD is a wireless device connected to the wireless
- 5 network.
- 6 19. The system in accordance with claim 1, wherein the repository client software further comprises
- 7 instructions to the NCD software for forward the authorized data recipient's offer to the data
- 8 repository and for sending a message to the data repository indicating whether an NCD software
- 9 identifier is present in the NCD software, and wherein the presence of an NCD software identifier
- 10 indicates whether the NCD software was previously used in conjunction with the system.
- 11 20. The system in accordance with claim 19 wherein the NCD software identifier is a cookie.
- 12 21. The system in accordance with claim 19, wherein the data repository further comprises a data
- 13 subject data structure which further comprises information pertaining to previous transactions by
- 14 at least one registered data subject, and wherein the at least one registered data subject is a data
- 15 subject who has previously registered with the system.
- 16 22. The system in accordance with claim 21, wherein the data repository further comprises storage
- 17 for storing the data subject data structure.
- 18 23. The system in accordance with claim 21, wherein the data repository further comprises at least
- 19 one server for storing the data subject data structure.
- 20 24. The system in accordance with claim 19, further comprising an authorized data recipient data
- 21 structure comprising information which represents authorized data recipient information that is
- 22 necessary for identifying the authorized data recipient and the authorized data recipient
- 23 computer.
- 24 25. The system in accordance with claim 24, wherein the authorized data recipient information further
- 25 comprises contact information, an authorized data recipient identification number, at least one
- 26 network location for the authorized data recipient computer, accepted payment card types,
- 27 accepted currencies, and accepted payment methods.

- 1 26. The system in accordance with claim 24, wherein the data repository further comprises storage
2 for storing the authorized data recipient data structure.
- 3 27. The system in accordance with claim 1, wherein the data repository further comprises:
4 a data subject data structure which further comprises information pertaining to previous
5 transactions by at least one registered data subject, and wherein a registered data
6 subject is a data subject who has previously registered with the system; and
7 an authorized data recipient data structure which further comprises information which represents
8 authorized data recipient information and which identifies the authorized data recipient
9 and the authorized data recipient computer.
- 10 28. The system in accordance with claim 27, wherein the data repository software further comprises
11 instructions for selecting a data subject if the NCD software identifier identifies one or more
12 registered data subjects who have used the data subject's NCD software in conjunction with the
13 system.
- 14 29. The system in accordance with claim 27, wherein the data repository software further comprises
15 instructions for gathering the transaction information pertaining to the selected registered data
16 subject from the data subject data structure to complete a transaction.
- 17 30. The system in accordance with claim 27, wherein the data repository software further comprises
18 instructions for selecting the transaction information for a selected registered data subject that is
19 acceptable to the authorized data recipient based on the authorized data recipient information in
20 the authorized data recipient data structure.
- 21 31. The system in accordance with claim 27, wherein the data repository software further comprises
22 instructions for gathering the transaction information to complete the transaction by prompting the
23 registered data subject for additional information to complete the transaction if the data subject
24 data structure is missing information to complete the transaction.
- 25 32. The system in accordance with claim 27, wherein the data repository software further comprises
26 instructions for gathering the information to complete the transaction by prompting the data
27 subject for the information when the data subject is a non-registered data subject.

- 1 33. The system in accordance with claim 27, wherein the data repository software further comprises
2 instructions for gathering information to complete the transaction by prompting the data subject
3 for the information when the data recipient is not an authorized data recipient of the data
4 controller that is associated with the data subject.
- 5 34. The system in accordance with claim 27, wherein the data repository software further comprises
6 instructions for allowing a registered data subject to enter information to identify the registered
7 data subject thereby allowing the data repository software to access the registered data subject's
8 information stored in the data subject data structure if the data repository software did not select
9 the correct registered data subject.
- 10 35. The system in accordance with claim 34, wherein the information which can be entered to identify
11 the registered data subject comprises a data subject identification number, email address, and a
12 passphrase.
- 13 36. The system in accordance with claim 27, wherein the data repository software further comprises
14 instructions for allowing a registered data subject to enter information to identify the registered
15 data subject thereby allowing the data repository software to access the registered data subject's
16 information stored in the data subject data structure if the registered data subject was not
17 associated with the data subject's NCD software.
- 18 37. The system in accordance with claim 34, wherein the information which can be entered to identify
19 the registered data subject further comprises a data subject identification number, email address,
20 and a passphrase.
- 21 38. The system in accordance with claim 27, wherein the data repository software further comprises
22 instructions for prompting the selected data subject for the data subject's identification number
23 and passphrase if the registered data subject was selected by the data repository software.
- 24 39. The system in accordance with claim 27, further comprising a temporary data structure for storing
25 for a limited amount of time information pertaining to a transaction.
- 26 40. The system in accordance with claim 1, wherein the authorized data recipient's offer comprises at
27 least a authorized data recipient identifier, a price for the item, a digital signature of the authorized

1 data recipient, and a transaction number.

2 41. The system in accordance with claim 40, wherein the authorized data recipient's offer further
3 comprises a final price indicator that indicates that the price for an item is not final.

4 42. The system in accordance with claim 27, wherein the data repository software further comprises
5 instructions for communicating the data subject's shipping address information to the authorized
6 data recipient computer and for calculating the final price for the item if the final price indicator
7 indicates that the price for an item is not final.

8 43. The system in accordance with claim 42, wherein the data subject's shipping address information
9 communicated to the authorized data recipient further comprises the city, state, country and mail
10 code of the data subject's shipping address.

11 44. The system in accordance with claim 43, wherein the authorized data recipient computer further
12 comprises instructions for calculating the final price for the item being purchased based on the
13 data subject's shipping address information.

14 45. The system in accordance with claim 43, wherein the data subject's shipping address information
15 communicated to the authorized data recipient further comprises the shipping means.

16 46. The system in accordance with claim 4539, wherein the authorized data recipient computer
17 further comprises instructions for calculating the final price for the item being purchased based on
18 the data subject's shipping address information.

19 47. The system in accordance with claim 35, wherein the data subject's shipping address is the email
20 address where the item is being sent for items which can be delivered over the network.

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24 48. The system in accordance with claim 1, wherein the data repository further comprises a data
25 subject transaction log for recording information relating to a registered data subject's purchasing
26 transactions, and wherein a registered data subject is a data subject who has previously
27 registered with the system.

- 1 49. The system in accordance with claim 48, wherein the data repository further comprises storage
2 for storing the data subject transaction log.
- 3 50. The system in accordance with claim 49, further comprising at least one server to store the data
4 subject transaction log.
- 5 51. The system in accordance with claim 1, wherein the data repository further comprises an
6 authorized data recipient transaction log for storing information relating to transactions performed
7 by the at least one authorized data recipient.
- 8 52. The system in accordance with claim 51, wherein the data repository further comprises storage
9 for storing the authorized data recipient transaction log.
- 10 53. The system in accordance with claim 51, further comprising at least one server for storing the
11 authorized data recipient transaction log.
- 12 54. The system according to claim 1 wherein the data repository further comprises instructions for
13 determining that the data recipient is authorized by the data controller associated with the data
14 subject.
- 15 55. A method for authorized data recipient invoked electronic transactions over a network between at
16 least one data subject, associated with at least one data controller, having at least one data
17 subject's NCD connected to the network, at least one authorized data recipient, associated with
18 the at least one data controller, having at least one authorized data recipient computer connected
19 to the network, and at least one data repository connected to the network, comprising:
20 requesting an authorized data recipient's offer from at least one authorized data recipient
21 over a network by at least one data subject using NCD software on the at least one data
22 subject's NCD;
23 invoking data repository client software on the at least one authorized data recipient
24 computer in response to the data subject's request for a authorized data recipient's offer,
25 and wherein invoking the data repository client software further comprises:
26 connecting the at least one data subject's NCD to the at least one data
27 repository

- 1 invoking the data repository client software;
- 2 forwarding the authorized data recipient's offer to the least one data repository;
- 3 determining that both the at least one data subject and one the at least one
- 4 authorized data recipient are associated with the at least one data
- 5 controller; and
- 6 gathering the information by the data repository to complete a transaction.
- 7 56. The method in accordance with claim 55 further comprising gathering information relating to the
- 8 purchase of an item.
- 9 57. The method in accordance with claim 56 further comprising sending the purchasing information to
- 10 the at least one authorized data recipient computer.
- 11 58. The method in accordance with claim 56, further comprising sending the purchasing information
- 12 to the at least one authorized data recipient computer.
- 13 59. The method in accordance with claim 55, further comprising the client software instructing the
- 14 data subject NCD software to forward the authorized data recipient's offer to the data repository
- 15 and sending a message indicating whether a NCD software identifier is present in the data
- 16 subject's NCD software.
- 17 60. The method in accordance with claim 59, wherein the sending of a message indicating whether a
- 18 NCD software identifier is present in the data subject's NCD software further comprises the client
- 19 software instructing the NCD software to forward a message and wherein the NCD software
- 20 identifier is a cookie.
- 21 61. The method in accordance with claim 55, further comprising accessing an authorized data
- 22 recipient data structure in the data repository to determine the transaction information the at least
- 23 one authorized data recipient requires to complete a transaction.
- 24 62. The method in accordance with claim 56, further comprising accessing a data subject data
- 25 structure in the data repository to gather the transaction information the at least one authorized
- 26 data recipient requires to complete a purchasing transaction.
- 27 63. The method in accordance with claim 62, further comprising prompting the registered data

1 subject for additional transaction information to complete a purchasing transaction if the data
2 subject data structure is missing transaction information which is necessary for the at least one
3 authorized data recipient to complete a purchasing transaction.

4 64. The method in accordance with claim 55, further comprising prompting the data subject for the
5 transaction information when the data subject is a non-registered data subject.

6 65. The method in accordance with claim 55, further comprising gathering the information to
7 complete the transaction by prompting the data subject for the information when the data
8 recipient is not an authorized data recipient of the data controller that is associated with the data
9 subject.

10 66. The method in accordance with claim 55, further comprising the data repository software
11 assigning a unique identifier to the at least one data subject and providing the unique identifier to
12 the at least one authorized data recipient.

13 67. The method in accordance with claim 66, further comprising a registered data subject entering
14 identifying information to allow a registered data subject to identify the registered data subject
15 thereby allowing the data repository software to access the registered data subject's information
16 from the data subject data structure if the data repository software did not select the registered
17 data subject.

18 68. The method in accordance with claim 67, wherein entering the identifying information further
19 comprises a data subject entering the data subject's identification number, email address, and a
20 passphrase.

21 69. The method in accordance with claim 66, further comprising a registered data subject entering
22 identifying information to allow a registered data subject to identify the registered data subject
23 thereby allowing the data repository software to access the registered data subject's information
24 from the data subject data structure if the registered data subject is not associated with the data
25 subject's NCD software.

26 70. The method in accordance with claim 69, wherein entering the identifying information further
27 comprises a data subject entering the data subject's identification number, email address, and a

1 ~~passphrase~~

- 2 71. The method in accordance with claim 66, further comprising prompting the selected registered
3 data subject to enter the data subject's identification number and passphrase when the registered
4 data subject was selected by the data repository software.
- 5 72. The method in accordance with claim 64, further comprising storing the data subject's transaction
6 information in a temporary data structure when the data subject is a non registered data subject.
- 7 73. The method in accordance with claim 72, further comprising transferring the data subject's
8 transaction information from the temporary data structure when a non-registered data subject
9 elects to become a registered data subject.
- 10 74. The method in accordance with claim 63, further comprising sending the data subject's shipping
11 address information to the authorized data recipient computer when a final price indicator in the
12 authorized data recipient's offer indicates that the price for an item is not final.
- 13 75. The method in accordance with claim 74, wherein sending the data subject's shipping address
14 further comprises sending the data subject's city, state, country and mail code.
- 15 76. The method in accordance with claim 75, further comprising the authorized data recipient
16 computer calculating a final price based on the data subject's shipping address.
- 17 77. The method in accordance with claim 55, further comprising recording information relating to a
18 registered data subject's purchasing transactions, wherein a registered data subject is a data
19 subject who has previously registered with the system.
- 20 78. The method in accordance with claim 55, further comprising recording information relating to
21 transactions performed by the at least one authorized data recipient.
- 22 79. The method in accordance with claim 66, wherein the assigning a unique identifier indicating
23 whether a NCD software identifier is present in the data subject's NCD software further comprises
24 the client software instructing the NCD software to forward a message and wherein the NCD
25 software identifier is a cookie.
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